

FIG. 1

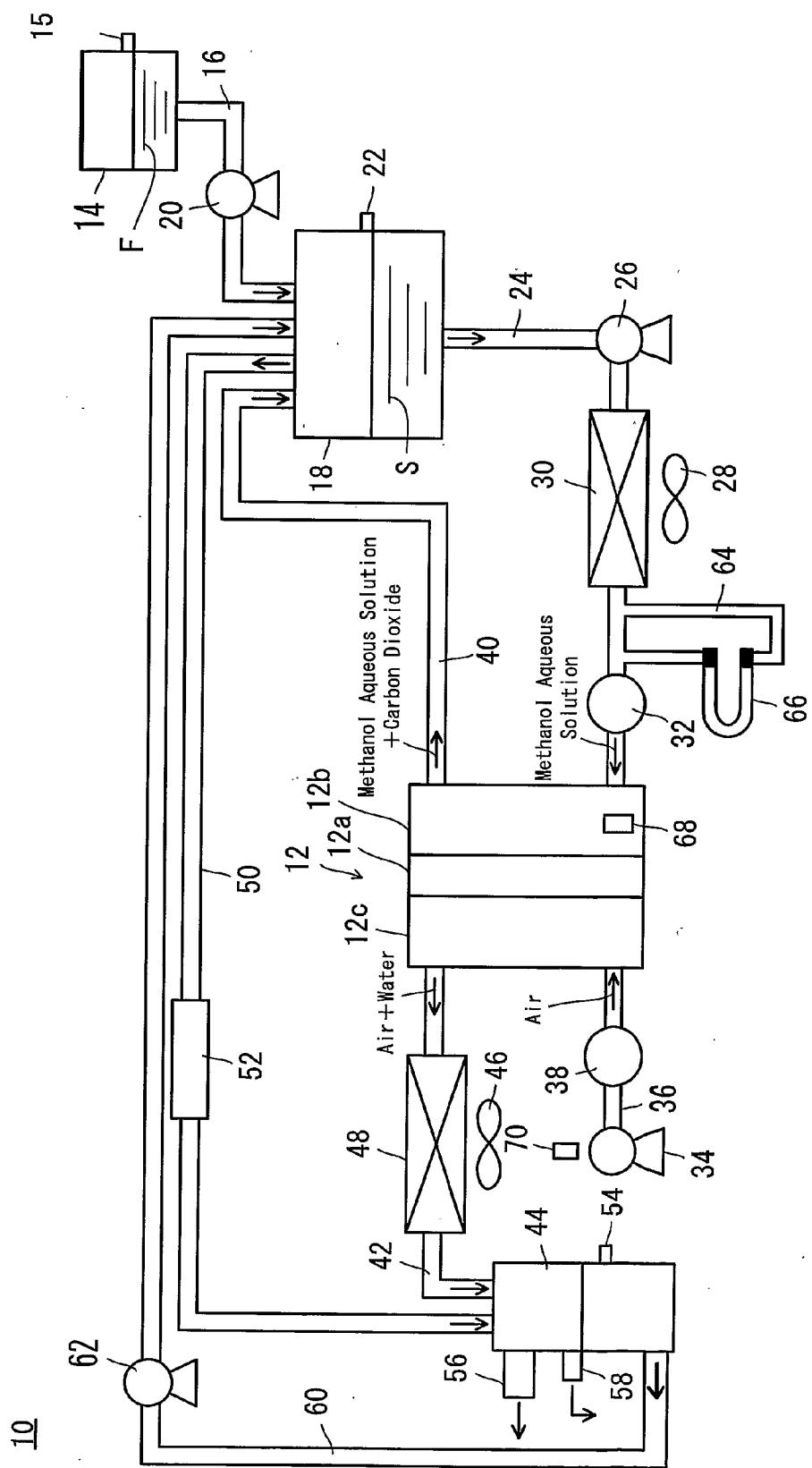
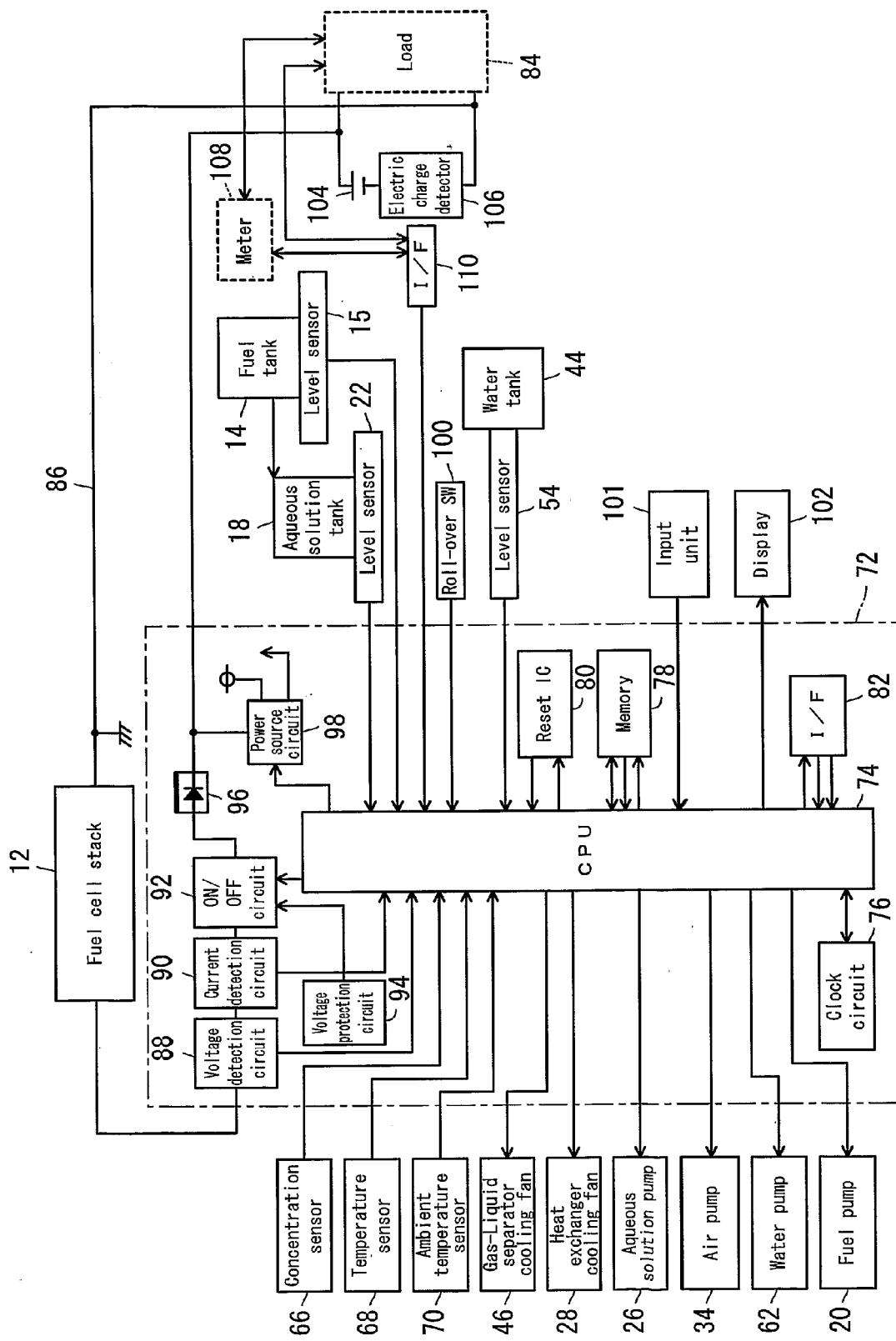


FIG. 2



F I G. 3

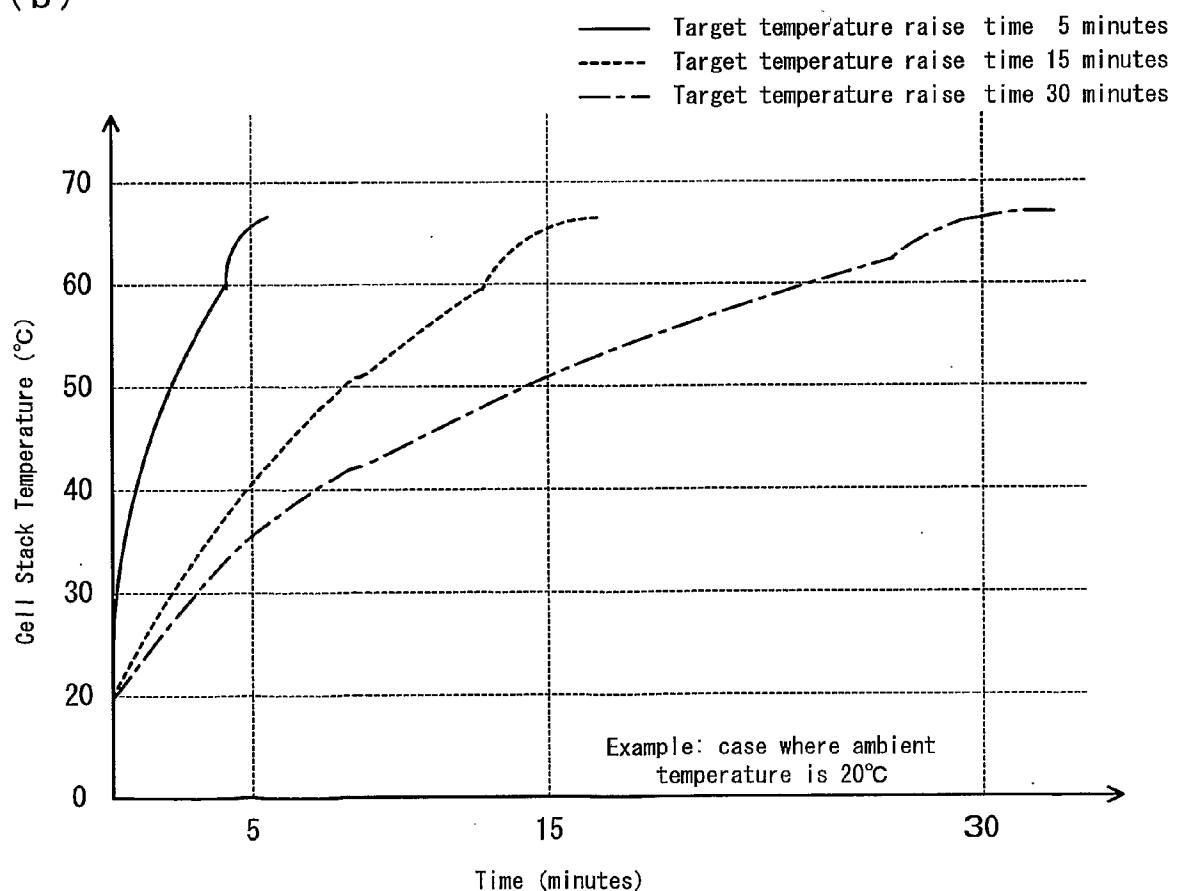
Cell stack temperature	5°C >	5°C ≤ 15°C >	15°C ≤ 25°C >	25°C ≤
Target concentration	10wt%	8wt%	6wt%	5wt%

FIG. 4

(a)

Cell stack temperature raise time	5°C>	5°C≤ 15°C>	15°C≤ 25°C>	25°C≤
5 minutes	16wt%	14wt%	10wt%	6wt%
15 minutes	10wt%	8wt%	6wt%	4wt%
30 minutes	8wt%	6wt%	5wt%	4wt%

(b)

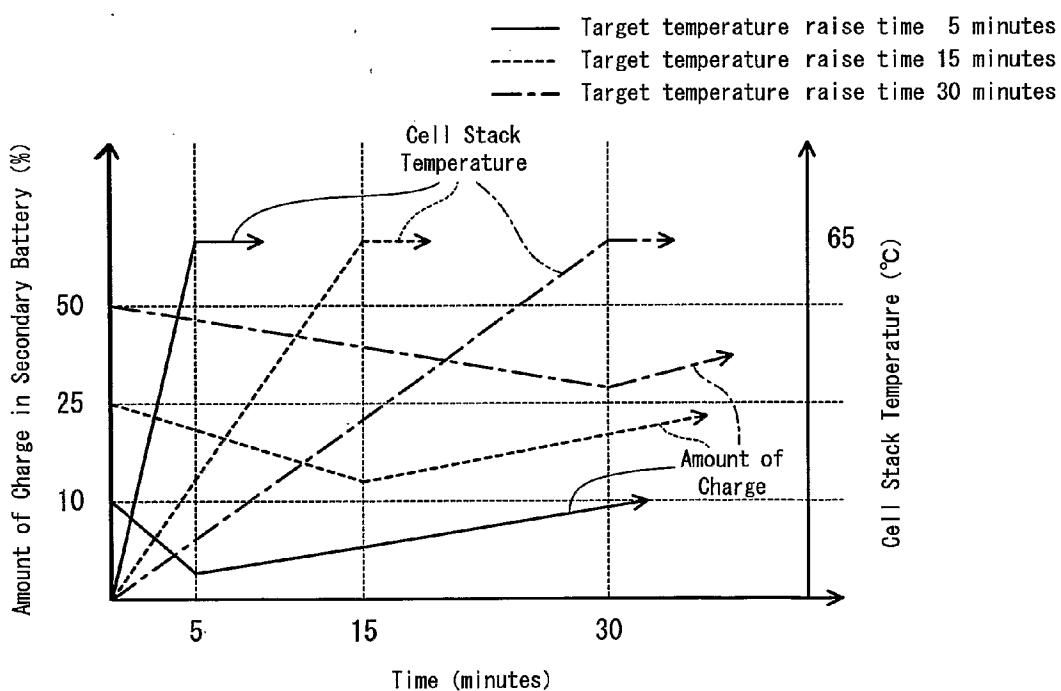


F I G. 5

(a)

Amount of Charge in Secondary Battery	10%≤ 25%>	25%≤ 50%>	50%≤
Target temperature raise time	5 minutes	15 minutes	30 minutes

(b)



(c)

Amount of Charge in Secondary Battery	Cell stack temperature 5°C>	5°C≤ 15°C>	15°C≤ 25°C>	25°C≤
10%≤ 25%>	16wt%	14wt%	10wt%	6wt%
25%≤ 50%>	10wt%	8wt%	6wt%	4wt%
50%≤	8wt%	6wt%	5wt%	4wt%

F I G. 6

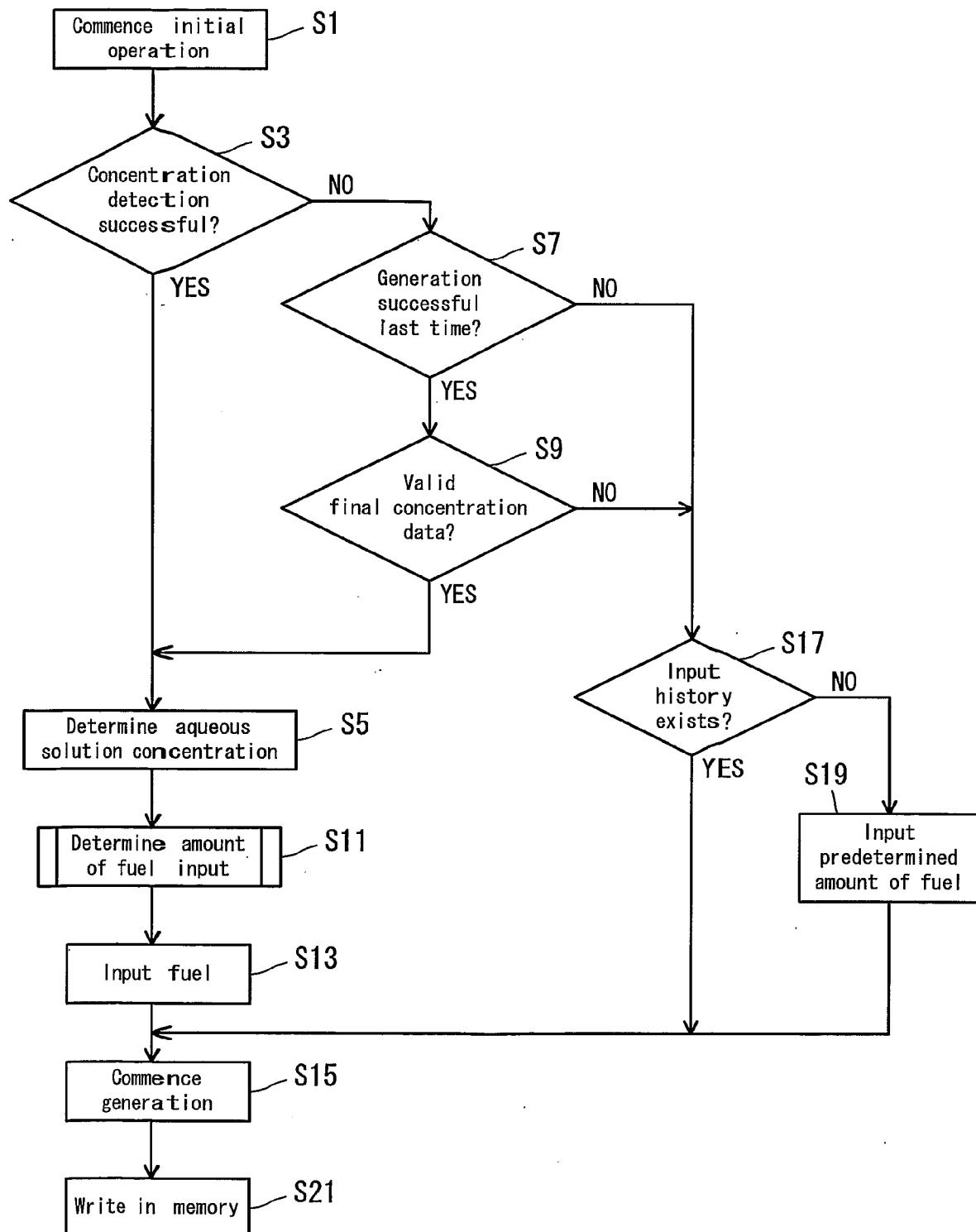
(a)

Temperature Difference between Cell stack and Ambient Temperature	$0^{\circ}\text{C} \leq$ $10^{\circ}\text{C} >$	$10^{\circ}\text{C} \leq$ $20^{\circ}\text{C} >$	$20^{\circ}\text{C} \leq$ $30^{\circ}\text{C} >$	$30^{\circ}\text{C} \leq$
Amount of Correction	10cc	15cc	20cc	25cc

(b)

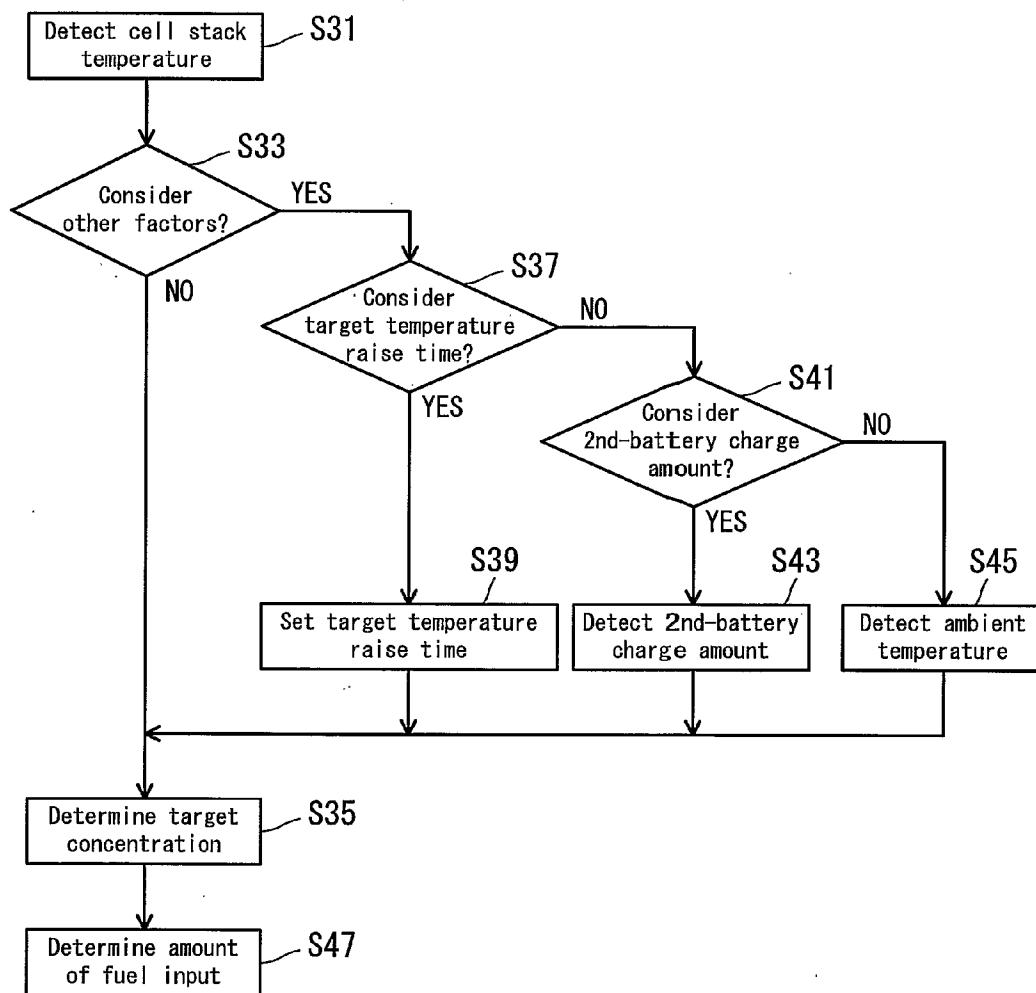
Amount of Charge in Secondary Battery	$0\% \leq$ $10\% >$	$10\% \leq$ $25\% >$	$25\% \leq$ $50\% >$	$50\% \leq$
Target Concentration	Do not start system	16wt%	10wt%	8wt%

F I G. 7

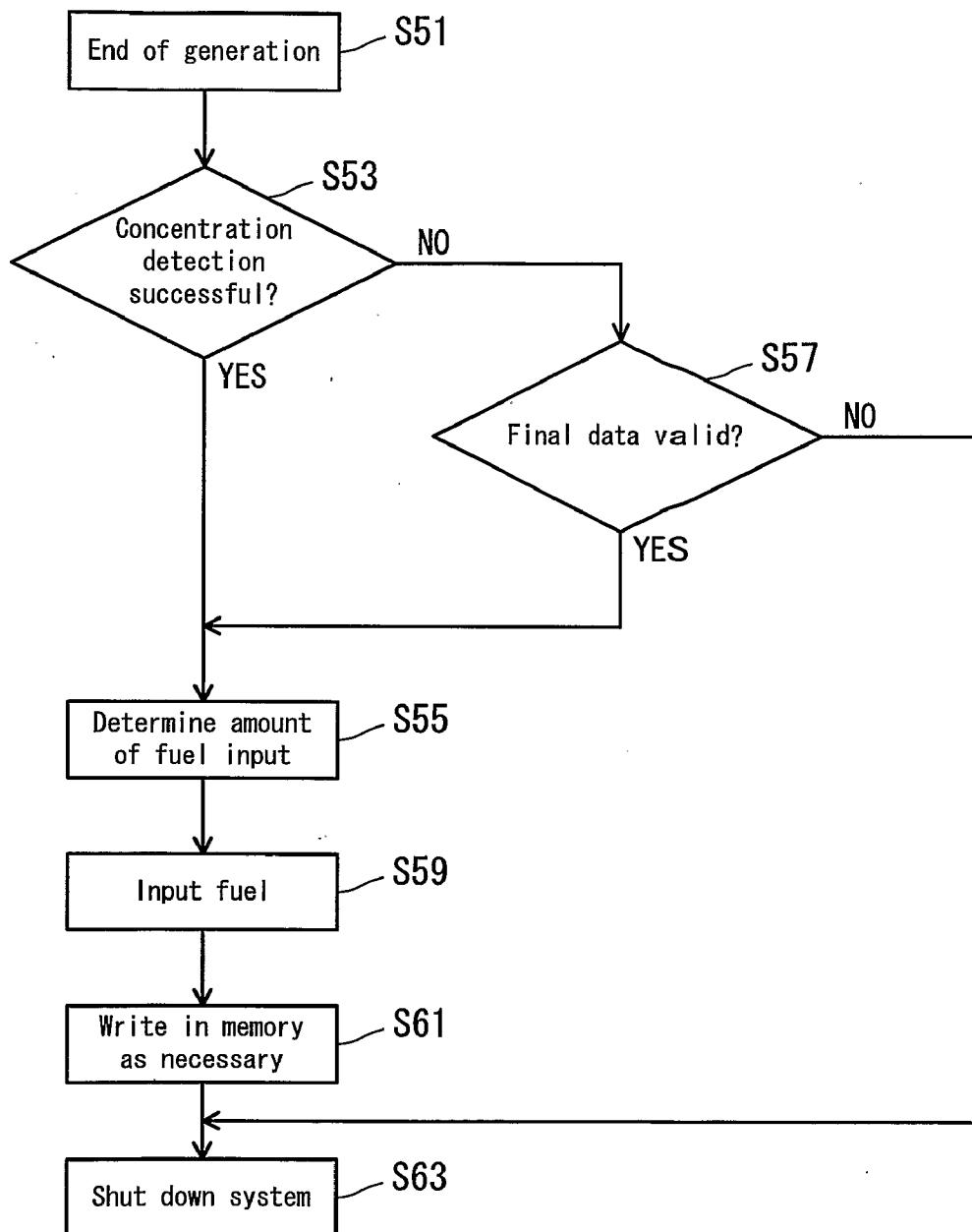


F I G. 8

Input Amount Determination Subroutine



F I G. 9



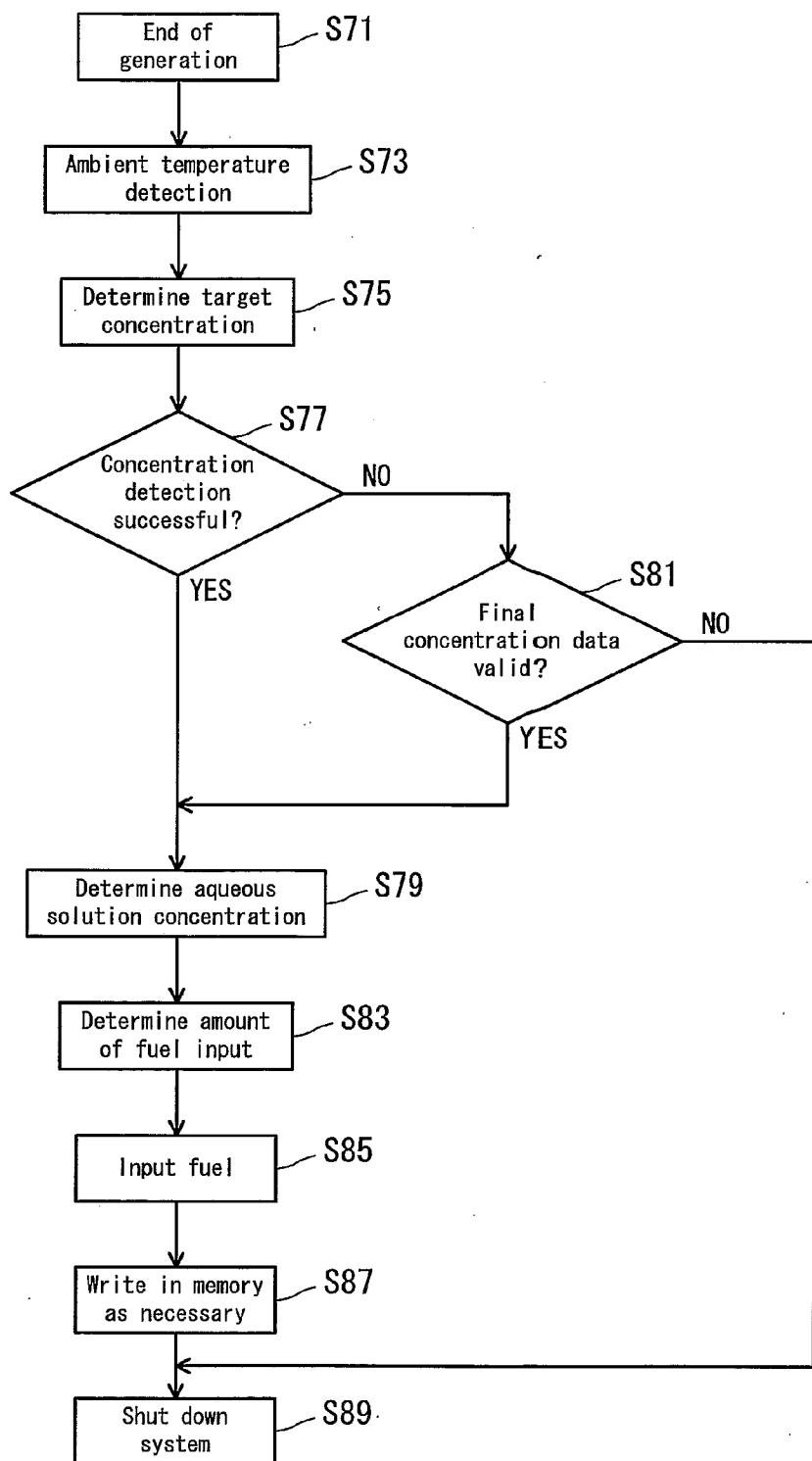
10/17

F I G. 1 O

Target Concentration: 6wt%

Concentration of Methanol Aqueous Solution at the end of generation	0wt%≤ 2wt%>	2wt%≤ 4wt%>	4wt%≤ 6wt%>	6wt%≤
Amount of Methanol Fuel Input	200cc	160cc	120cc	100cc

F I G. 1 1



12/17

F I G. 1 2

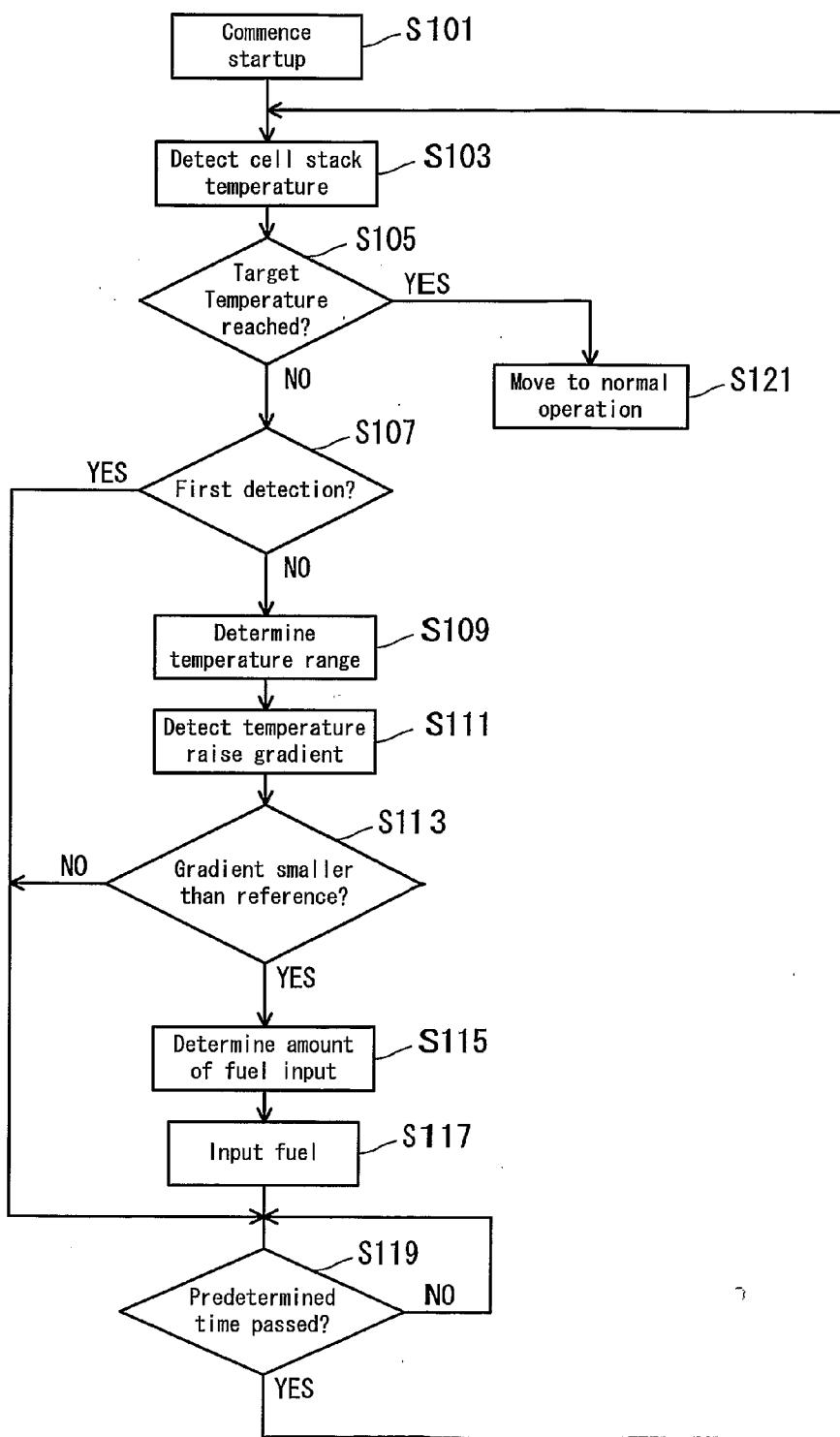
Ambient Temperature	$0^{\circ}\text{C} \leq 10^{\circ}\text{C} >$	$10^{\circ}\text{C} \leq 20^{\circ}\text{C} >$	$20^{\circ}\text{C} \leq 30^{\circ}\text{C} >$	$30^{\circ}\text{C} \leq 40^{\circ}\text{C} >$	$40^{\circ}\text{C} \leq$
Target Concentration	8wt%	7wt%	6wt%	5wt%	4wt%

13/17

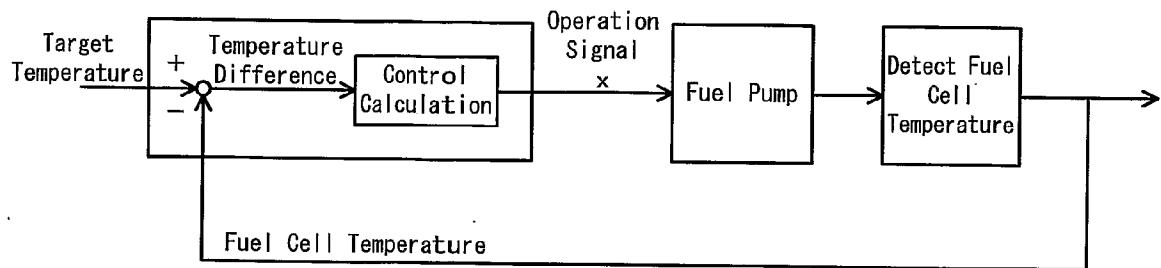
F I G. 1 3

Temperature Range (°C)	Temperature Raise Reference Gradient (°C/min)	Amount of Fuel Input (cc)
60 - 65	0.5	3
50 - 60	1.0	4
40 - 50	1.5	6
30 - 40	2.0	8
20 - 30	2.5	10
0 - 20	3.0	12

F I G. 14



F I G. 1 5



F I G. 16

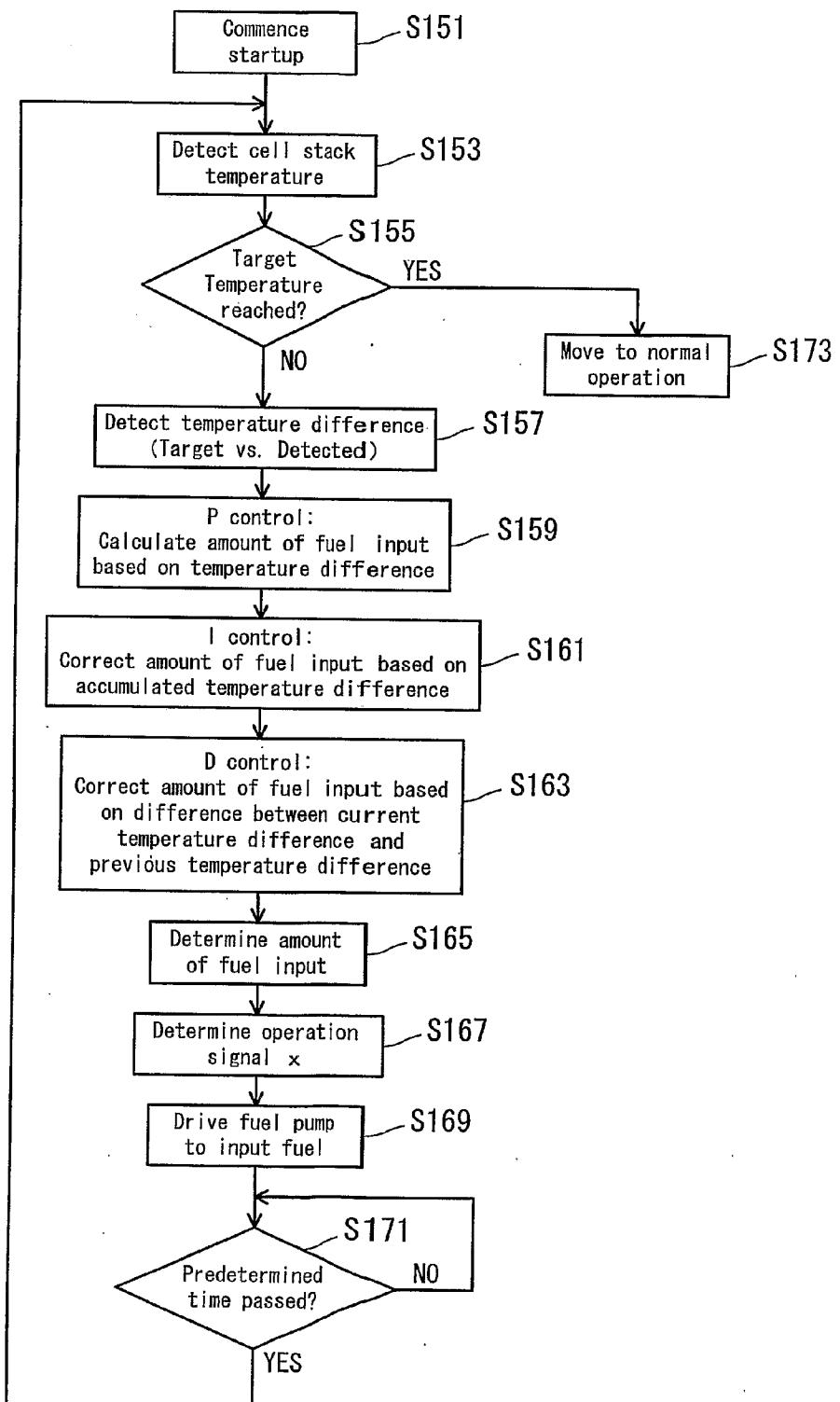


FIG. 17

